

IN THE CLAIMS:

Please cancel Claims 1-52.

Please add Claims 53-71 as follows:

53. A method of inhibiting mutagenesis in an organism, which method
(b) comprises administering to the organism, an effective anti-mutagenic amount of an
extract from Aristolochia taliscana or one or more anti-mutagenically active compounds
isolable therefrom.
sub B²

54. A method of treating a disease state mediated by mutagenesis, which
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method comprises administering to a patient suffering from said disease state an effective
antimutagenic treatment amount of an extract from an Aristolochia species or one or
more antimutagenic compounds isolable therefrom.
A cont'd.

55. A method of treating a chronic inflammatory disease in a patient, which
for
method comprises administering to the patient an effective anti-inflammatory amount of an
extract from Aristolochia taliscana or one or more component compounds isolable
therefrom.

56. A method according to Claim 55 wherein the chronic inflammatory disease is selected from the group consisting of inflammatory bowel disease, rheumatoid arthritis, synovitis and psoriasis.

57. A method of inhibiting fungal growth in a substrate, which methods comprises administering to the substrate an effective anti-fungal amount of an extract from Aristolochia taliscana or one or more antifungally active compounds isolable therefrom.

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58. A method according to Claim 57 wherein the substrate is selected from the group consisting of plants and animals.

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59. A method according to Claim 53 wherein the extract contains at least 10% by weight of a eupomatenoid.

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60. A method according to Claim 59 wherein the extract contains eupomatenoid-7.

61. A method according to Claim 55 wherein the extract contains at least 10% by weight of a eupomatenoid.

62. A method according to Claim 61 wherein the extract contains eupomatenoid-7.

63. A method according to Claim 57 wherein the extract contains at least 10% by weight of a eupomatenoid.

64. A method according to Claim 63 wherein the extract contains eupomatenoid-7.

65. A composition comprising an extract from Aristolochia taliscana, wherein the extract has been prepared by extraction of plant material from the Aristolochia species with an organic solvent and contains at least 10% by weight of a eupomatenoid.

66. A composition according to Claim 65 wherein the extract contains at least 20% of a eupomatenoid.

67. A composition according to Claim 65 wherein the extract contains at least 25% of a eupomatenoid.

68. A composition comprising an extract from Aristolochia taliscana wherein the extract has been prepared by extraction of plant material from the Aristolochia species with an organic solvent, wherein the extract contains at least 25% by weight of a phenolic eupomatenoid compound, at least 8% of Licarin-A and at least 8% by weight of a non-phenolic eupomatenoid compound.

sub B5

A concid. 69. A composition according to Claim 68 wherein the phenolic eupomatenoid compound is eupomatenoid-7.

70. A composition according to Claim 68 wherein the non-phenolic eupomatenoid compound is eupomatenoid-8.

71. A composition according to Claim 68 wherein the extract contains an arisolactam.